

IN THE SPECIFICATION:

Please amend the following paragraphs at the beginning of the specification:

--This invention was made with government support under Contract No. DE-FC26-97FT343656 01NT41229 awarded by the U.S. Department of Energy. The government has certain rights in the invention.

1. Related Applications

This application is a continuation-in-part of U.S. patent application Ser. No. _____ (~~INSERT NUMBER~~) No. 10/453,076 entitled IMPROVED TRANSDUCER FOR DOWNHOLE DRILLING COMPONENTS filed on _____ (~~INSERT DATA~~) on June 3, 2003.--

Please amend the third paragraph on page 17 as follows:

-- Referring to Figure 12, in selected embodiments a transmission element 24 may include an electrical conductor 72 helically coiled around a magnetically conductive ~~annular~~ torodial core 70. One end of the coil 72 may be connected to a conductor 26 or cable 26 for routing along a downhole tool 10. The other end of the conductor 72 may be connected to a return path or ground. --

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